

# Corning Inc MPE ASSESSMENT REPORT

**Report Type:** FCC MPE assessment report

**Model:** 6884

**REPORT NUMBER:** 191101351SHA-002

ISSUE DATE: April 21, 2020

**DOCUMENT CONTROL NUMBER:** TTRFFCCMPE-01\_V1 © 2018 Intertek



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TEST REPORT

Telephone: 86 21 6127 8200 www.intertek.com

Report no.: 191101351SHA-002

Applicant:	Corning Inc 836 North Street, Tewksbury, MA 01876, USA
Type/Model:	6884
FCC ID:	2AVDJ-6884

#### SUMMARY:

The equipment complies with the requirements according to the following standard(s) or Specification: KDB447498 D01 General RF Exposure Guidance v06 FCC Part2.1091, FCC Part2.1093 FCC Part1.1307(b)

#### PREPARED BY:

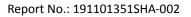
**REVIEWED BY:** 

Stephanie

Project Engineer Stephanie Zhang

Reviewer Wakeyou Wang

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# **Revision History**

Report No.	Version	Description	Issued Date
191101351SHA-002	Rev. 01	Initial issue of report	April 21, 2020

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# **1 GENERAL INFORMATION**

# **1.1** Description of Equipment Under Test (EUT)

Product name:	Corning StackSENSE Imaging Base		
Type/Model:	6884		
Description of EUT:	The EUT is a Imaging Base, supporting 802.11b/g/n.		
	DC 3.7V, 7600mA		
Rating:	Charging adapter with output DC 5V/3A.		
EUT type:	Table top 🔲 Floor standing		
Software Version:	/		
Hardware Version:	/		
Sample received date:	Nov 10, 2019		
Date of test:	Nov 10, 2019 – Dec 20, 2019		

# **1.2 Technical Specification**

Frequency Range:	2412MHz ~ 2462MHz		
Support Standards:	IEEE 802.11b, IEEE 802.11g, IEEE 802.11n-HT20		
Type of Modulation:	BPSK/QPSK/16QAM/64QAM/DBPSK/DQPSK/CCK		
Channel Number:	11 Channels for 802.11b, 802.11g and 802.11n(HT20)		
	IEEE 802.11b: Up to 11 Mbps		
	IEEE 802.11g: Up to 54 Mbps		
Data Rate:	IEEE 802.11n-HT20: Up to MCS7		
Channel Separation:	5 MHz		

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# **1.3 Description of Test Facility**

Name:	Intertek Testing Services Shanghai
Address:	Building 86, No. 1198 Qinzhou Road(North), Shanghai 200233, P.R. China
Telephone:	86 21 61278200
Telefax:	86 21 54262353

The test facility is recognized,	CNAS Accreditation Lab Registration No. CNAS L0139
certified, or accredited by these organizations:	FCC Accredited Lab Designation Number: CN1175
	IC Registration Lab Registration code No.: 2042B-1
	VCCI Registration Lab Registration No.: R-4243, G-845, C-4723, T-2252
	NVLAP Accreditation Lab NVLAP LAB CODE: 200849-0
	A2LA Accreditation Lab Certificate Number: 3309.02

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## 2 MPE Assessment

Test result: Pass

#### 2.1 MPE Assessment Limit

Mobile device exposure for standalone operations:

Frequency range	E-field strength	H-field strength	B-field	Equivalent plane wave
	(V/m)	(A/m)	(uT)	power density
				S <sub>eq</sub> (W/m²)
0-1 Hz	-	3,2 × 10 <sup>4</sup>	$4 \times 10^{4}$	-
1-8 Hz	10 000	3,2 × 10 <sup>4</sup> /f <sup>2</sup>	$4 \times 10^4/f^2$	-
8-25 Hz	10 000	4 000/f	5 000/f	-
0,025-0,8 kHz	250/f	4/f	5/f	-
0,8-3 kHz	250/f	5	6,25	-
3-150 kHz	87	5	6,25	-
0,15-1 MHz	87	0,73/f	0,92/f	-
1-10 MHz	87/f <sup>1/2</sup>	0,73/f	0,92/f	-
10-400 MHz	28	0,073	0,092	2
400-2 000 MHz	1,375 f <sup>1/2</sup>	0,0037 f <sup>1/2</sup>	0,0046 f <sup>1/2</sup>	f/200
2-300 GHz	61	0,16	0,20	10

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## 2.2 Assessment Results

Power density (S) is calculated according to the formula: S = P / (4πR<sup>2</sup>) Where S = power density in mW/cm<sup>2</sup> P = Radiated transmit power in mW G = numeric gain of transmit antenna R = distance (cm)

As we can see from the test report 191101351SHA-001: The maximum radiated power = 19.32dBm = 85.507mW; Here R is chosen to be 20cm,

S = P /  $(4\pi R^2)$  = 85.507 / (4 \* 3.14 \* 20 \* 20) = 0.017 mW/cm<sup>2</sup> < 1 mW/cm<sup>2</sup>



# Appendix I

Definition below must be outlined in the User Manual:

To satisfy FCC RF exposure requirements, a separation distance of 20 cm or more should be maintained between the antenna of this device and persons during device operation. To ensure compliance, operations at closer than this distance is not recommended.